



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3015-5**

**Job Sheet 182556**



Part No: D3015-5

Job Qty: 100 ea

Part Name: SS Nylock Nut 7/16



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/28/18

Job Tracking No:

Due Date: 9/17/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP: A 01.10.31 New Issue SM

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation  | Qty     | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off       |
|-------|------------|---------|------------|----------|-----------|---------|-----------------------|-----------|----------------|
|       |            |         |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |                |
| 100   | Purchasing | 100 pcs | 9/17/18    | 9/17/18  | 0.00      | 0.00    | Purchasing            |           | SEP 04 2018    |
| 110   | Packaging  | 100 pcs | 9/17/18    | 9/17/18  | 0.00      | 0.00    | Packaging2            |           | SEP 04 2018    |
| 120   | QC         | 100 pcs | 9/17/18    | 9/17/18  | 0.00      | 0.00    | QC6                   |           | 38             |
| 130   | Packaging  | 100 pcs | 9/17/18    | 9/17/18  | 0.00      | 0.00    | Packaging3-1          | 5101508   | SEP 07 2018    |
| 140   | QC21-SA    | 100 Ea  | 9/17/18    | 9/17/18  | 0.00      | 0.00    | QC21                  |           | 21 SEP 11 2018 |

Part Op 100 - Issue P/O: 40384 Possible Supplier: Acklands P/N: PFS LNNC716S1

Descriptions: 110 - Ensure Material Release Note is attached

140 - Possible Supplier: Main Industrial P/N: PFS LNNC716S1

AUG 29 2018

X100

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### Job BOM

| Part / Item    | Component Name     | Quantity      | Operation      | Container |
|----------------|--------------------|---------------|----------------|-----------|
| PFS-LNNC7/16S1 | SS Nylock Nut 7/16 | 100 Ea (1 ea) | 100-Purchasing |           |

### Job Allocations

| Operation      | Component Part | Required | Inventory | Allocated |
|----------------|----------------|----------|-----------|-----------|
| 100-Purchasing | PFS-LNNC7/16S1 | 100      | 0         | 0         |

### Part Specifications

Specifications could not be found.

Plex 8/28/18 10:19 AM Dart.lajeunesse.marie



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Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Container No: S107596



Part: D3015-5

Job No: 182556

Serial No/Batch: S107596

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 09/04/18

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

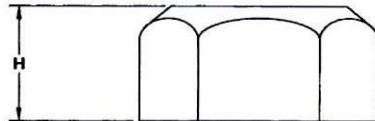
QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                   |                                                 |  |
|--------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                   |                                                 |  |
| Date :                                                       |  | Step #:                                                                                                                                                                            |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | <b>MRB (QSI042) Approval</b><br><br><div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div> |                                                 |  |
| Description Work Order Deviation                             |  |                                                                                                                                                                                    |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |                                                                                                                   |                                                 |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                   |                                                 |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                   |                                                 |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                   | Completed By                                    |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                   | Lead hand / Supervisor<br>Approval Verification |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                   | QC / QA Coordinator<br>Approval                 |  |

| Root Cause         |                          |                       |                          | FAULT CATEGORY         |                          |                                   |                          |                       |                          |                      |                          |
|--------------------|--------------------------|-----------------------|--------------------------|------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------|--------------------------|----------------------|--------------------------|
| Environment        | <input type="checkbox"/> | No Re-verification    | <input type="checkbox"/> | Pressure/Forced        | <input type="checkbox"/> | Temperature/Cure                  | <input type="checkbox"/> | Power Loss/Surge      | <input type="checkbox"/> | Positioned Wrong     | <input type="checkbox"/> |
| Design             | <input type="checkbox"/> | Operator              | <input type="checkbox"/> | Bending                | <input type="checkbox"/> | Set-up                            | <input type="checkbox"/> | Folio/Program         | <input type="checkbox"/> | Outside Dimensions   | <input type="checkbox"/> |
| Doc/Data           | <input type="checkbox"/> | Offset/Setup          | <input type="checkbox"/> | Centre Not Concentric  | <input type="checkbox"/> | BOM/Route                         | <input type="checkbox"/> | Grain                 | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> |
| Equip/Tooling      | <input type="checkbox"/> | Supplier              | <input type="checkbox"/> | Cracks                 | <input type="checkbox"/> | Broken/Damage/Defect              | <input type="checkbox"/> | Weld                  | <input type="checkbox"/> | Part Incorrect       | <input type="checkbox"/> |
| Handling/Pre       | <input type="checkbox"/> | Training              | <input type="checkbox"/> | Crimp/Kink/Ripple/Wave | <input type="checkbox"/> | Inspection Incomplete/Unqualified | <input type="checkbox"/> | Wrong Stock Pulled    | <input type="checkbox"/> | Part Lost/Missing    | <input type="checkbox"/> |
| Material           | <input type="checkbox"/> | Use for Testing       | <input type="checkbox"/> | Cuffs                  | <input type="checkbox"/> | Contamination                     | <input type="checkbox"/> | Out of Sequence       | <input type="checkbox"/> | Part Moved           | <input type="checkbox"/> |
| Internal Transport | <input type="checkbox"/> | Poor Information      | <input type="checkbox"/> | Crushing               | <input type="checkbox"/> | Countersink                       | <input type="checkbox"/> | Off-set               | <input type="checkbox"/> | Drawing              | <input type="checkbox"/> |
| Tribal Knowledge   | <input type="checkbox"/> | Rushing               | <input type="checkbox"/> | Heat Treat             | <input type="checkbox"/> | Cut Too Short                     | <input type="checkbox"/> | Mislabeled            | <input type="checkbox"/> | Finish               | <input type="checkbox"/> |
| LOA                | <input type="checkbox"/> | Product Improvement   | <input type="checkbox"/> | Wave/Twist in Tube     | <input type="checkbox"/> | Instructions Incomplete/Unclear   | <input type="checkbox"/> | Fit/Function          | <input type="checkbox"/> | Misread              | <input type="checkbox"/> |
| Substation         | <input type="checkbox"/> | Process Improvement   | <input type="checkbox"/> | Marks/Chatter          | <input type="checkbox"/> | Drill Holes                       | <input type="checkbox"/> | Misaligned/off center | <input type="checkbox"/> | Turning Sequence     | <input type="checkbox"/> |
| Past Expiry Date   | <input type="checkbox"/> | Manufacturing Process | <input type="checkbox"/> | <b>OTHER :</b> _____   |                          |                                   |                          |                       |                          |                      |                          |
| Misidentified      | <input type="checkbox"/> | Past Due              | <input type="checkbox"/> |                        |                          |                                   |                          |                       |                          |                      |                          |

# SPECIFICATION CONTROL DRAWING



**D3015-X LOCKNUT**

| PART NUMBER | SIZE        | HEIGHT<br>H | POSSIBLE SUPPLIER              |
|-------------|-------------|-------------|--------------------------------|
| D3015-1     | 1/4-20 UNC  | 0.31        | ACKLANDS, P/N PFSLNNC14S1      |
| D3015-3     | 5/16-18 UNC | 0.34        | ACKLANDS, P/N PFSLNNC516S1     |
| D3015-5     | 7/16-14 UNC | 0.46        | ACKLANDS, P/N PFSLNNC716S1     |
| D3015-7     | M5          | 0.19        | ACKLANDS, P/N FLMN021-005-0000 |



**NOTES:**

- 1) MATERIAL: SS LOCKNUT WITH NYLON INSERT
- 2) FINISH: N/A
- 3) TOLERANCES: ALL DIMENSIONS SHOWN AS REFERENCE
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

**RELEASED**  
09/07/15

|            |                                                                             |                                                                                                                                                                                                                                                                                          |              |
|------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| C          | REFORMAT DWG, -7 P/N NOW FLMN021-005-0000 WAS LNNMSS1 (ZN B8-1), PAR 09-020 | CP                                                                                                                                                                                                                                                                                       | 09.07.08     |
| B          | ADD D3015-7                                                                 | KJ                                                                                                                                                                                                                                                                                       | 03.07.15     |
| A          | NEW ISSUE                                                                   | DS                                                                                                                                                                                                                                                                                       | 01.05.03     |
| REV.       | DESCRIPTION                                                                 | BY                                                                                                                                                                                                                                                                                       | DATE         |
| DESIGN     |                                                                             | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                 |              |
| DRAWN      |                                                                             |                                                                                                                                                                                                                                                                                          |              |
| CHECKED    |                                                                             | DRAWING NO.                                                                                                                                                                                                                                                                              | REV. C       |
| MFG. APPR. |                                                                             | D3015                                                                                                                                                                                                                                                                                    | SHEET 1 OF 1 |
| APPROVED   |                                                                             | TITLE                                                                                                                                                                                                                                                                                    | SCALE        |
| DE APPR.   |                                                                             | LOCKNUT                                                                                                                                                                                                                                                                                  | NTS          |
| DATE       | 09.07.08                                                                    | <small>COPYRIGHT © 2001 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |





Dart Aerospace Ltd.  
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Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO040884**

**Supplier:** MAI001-VC  
Main Industrial Sales Ltd.  
1475, Tessier  
Hawkesbury  
ON  
K6A 3S6 Canada  
Phone: 613 632 3595  
Fax: 613 632 0262

**PO No:** PO040884

**PO Date:** 8/29/18

**Due Date:** 8/31/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavole, Chantal  
Phone: clavoie@dartaero.com

**E-MAILED**  
AUG 29 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 60

**Freight Terms:**

**Special Comments:**

## **Items**

| Line Item           | Job    | Part                | Supplier Part No | Description                         | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price  |
|---------------------|--------|---------------------|------------------|-------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|-----------------|
| 1                   |        | 5/16-18-015C        |                  | SS Bolt<br>5/16-181.5"              | Firmed | -       | 8/31/18  | 200 Ea         | 0 Ea              | 200 Ea  | \$0.266/Ea       | \$53.20         |
| 2                   |        | 7/16-14-050C        |                  | SS Bolt<br>7/16 5" Long             | Firmed | -       | 8/31/18  | 50 pcs         | 0 pcs             | 50 pcs  | \$1.42/pcs       | \$71.00         |
| 3                   | 182652 | 6900ZZ              |                  | Bearing<br>D3121-23                 | Firmed | -       | 8/31/18  | 50 pcs         | 0 pcs             | 50 pcs  | \$1.62/pcs       | \$81.00         |
| 4                   | 182555 | PFS-LNNC5/16S1      |                  | Lock Nut<br>D3015-3                 | Firmed | -       | 8/31/18  | 150 Ea         | 0 Ea              | 150 Ea  | \$0.10/Ea        | \$15.00         |
| 5                   | 182556 | PFS-LNNC7/16S1      |                  | SS Nylock<br>Nut 7/16<br>receive ea | Firmed | -       | 8/31/18  | 100 Ea         | 0 Ea              | 100 Ea  | \$0.282/Ea       | \$28.20         |
| 6                   |        | RBE-350INCLINOMETER | YA328A           | Inclinometer                        | Firmed | -       | 9/13/18  | 3 Ea           | 0 Ea              | 3 Ea    | \$69.53/Ea       | \$208.59        |
| <b>Grand Total:</b> |        |                     |                  |                                     |        |         |          |                |                   |         |                  | <b>\$456.99</b> |

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## **Order Notes**

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**Order Notes****Procurement Quality Clauses**

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

~~A020 CERTIFICATION OF MATERIAL CONFORMANCE~~

A032 DOCUMENT SPECIAL REQUIREMENTS

~~A033 STATEMENT OF CONFORMITY TEST RECORDS FOR NAS, AN and MS FASTENERS~~

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 8/29/18 1:23 PM dart.lavole.chantal

# MAIN INDUSTRIAL SALES LTD.

1475 TESSIER ST.  
HAWKESBURY ON K6A 3S6  
Phone: (613) 632-3595 Ext. Fax: (613) 632-0262  
sales@mainindustrialsales.com

# Packing Slip

DATE August 30, 2018  
NUMBER 0000226279  
CUSTOMER NO. DART

**BILL TO:**

DART AEROSPACE LTD.  
1270 ABERDEEN ST.  
HAWKESBURY ON K6A 1K7

**SHIP TO:**

DART AEROSPACE LTD.  
1270 ABERDEEN ST.  
HAWKESBURY ON K6A 1K7

(613) 632-5200 Ext.

(613) 632-5200 Ext.

| P.O. NUMBER                                                                                                                             | SALESPERSON       | ORDER DATE  | REQ. DATE | ORDER NUMBER |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|-----------|--------------|
| 40884                                                                                                                                   | EB                | 30-Aug-18   |           | 0000226279   |
| F.O.B.                                                                                                                                  | SHIP VIA          | TERMS       |           |              |
| F.O.B. value                                                                                                                            | OUR TRUCK / LOCAL | NET 30 DAYS |           |              |
| PART NUMBER<br>DESCRIPTION                                                                                                              | UOM               | QUANTITY    |           |              |
|                                                                                                                                         |                   | REQ.        | SHIPPED   | B.O.         |
| 0-516X112CHBSS ✓<br>5/16-1 X 1 1/2 18-8 HEX BOLTS<br><br>YOUR PART: 5/16-18-015C<br><br>DELIVERY: 190PCS @ 31/08/18<br>BALANCE 06/09/18 | EA                | 200         | 190 ✓     | 10           |
| 0-716X5CHBSS ✓<br>7/16-14 x 5" HEX BOLTS 18-8 STAINLESS<br><br>YOUR PART #: 7/16-14-050C<br><br>DELIVERY: 31/08/18                      | EA                | 50          | 50 ✓      |              |
| 0-69002ZKML ✓<br>KML BALL BEARING ✓<br><br>YOUR PART #: 6900ZZ<br><br>DELIVERY: 31/08/18                                                | EA                | 50          | 50 ✓      |              |
| 0-516CNLNSS ✓<br>5/16-18 18-8 NYLON LOCKNUT ✓<br><br>YOUR PART #: PFS-LNNC5/16S1<br><br>DELIVERY: 31/08/18                              | EA                | 150         | 150 ✓     |              |
| 0-716CNLNSS ✓<br>7/16-14 STAINLESS NYLON LOCKNUT ✓<br><br>YOUR PART #: PFS-LNNC7/16S1<br><br>DELIVERY: 31/08/18                         | EA                | 100         | 100 ✓     |              |
| 0-YA328A<br>SNAP ON ANGLE LOCATOR                                                                                                       | EA                | 3           |           | 3            |

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sales@mainindustrialsales.com

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DATE August 30, 2018  
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CUSTOMER NO. DART

**BILL TO:**

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HAWKESBURY ON K6A 1K7

**SHIP TO:**

DART AEROSPACE LTD.  
1270 ABERDEEN ST.  
HAWKESBURY ON K6A 1K7

(613) 632-5200 Ext.

(613) 632-5200 Ext.

| P.O. NUMBER                              | SALESPERSON       | ORDER DATE | REQ. DATE                     | ORDER NUMBER |
|------------------------------------------|-------------------|------------|-------------------------------|--------------|
| 40884                                    | EB                | 30-Aug-18  |                               | 0000226279   |
| F.O.B.                                   | SHIP VIA          |            | TERMS                         |              |
| F.O.B. value                             | OUR TRUCK / LOCAL |            | NET 30 DAYS                   |              |
| PART NUMBER<br>DESCRIPTION               |                   | UOM        | QUANTITY<br>REQ. SHIPPED B.O. |              |
| DELIVERY: 06/09/18<br><br>THANKS<br>ERIC |                   |            |                               |              |